

40. (original) The computer program product according to claim 39, wherein said storage means is a random access memory.

41. (previously presented) An oscilloscope, comprising:

a plurality of triggering modes;

means specifying a plurality of trigger parameters for each of said plurality of triggering modes; and

means for automatically analyzing an input signal independently from any user input sequentially utilizing each of said plurality of triggering modes and said plurality of trigger parameters specified for each of said plurality of triggering modes, including:

means for determining if said oscilloscope triggered on one of a plurality of undesired waveforms; and

responsive to a determination that said oscilloscope triggered on one of said plurality of undesired waveforms, means for storing said one of said plurality of undesired waveforms.

42. (previously presented) The oscilloscope according to claim 41, further comprising means for storing a plurality of trigger parameters associated with one of said plurality of triggering modes utilized when said oscilloscope triggered on said one of said plurality of undesired waveforms.

43. (previously presented) The oscilloscope according to claim 41, wherein said means for automatically analyzing further comprises:

means for analyzing said input signal utilizing a first of said plurality of triggering modes and a first plurality of trigger parameters associated with said first of said plurality of triggering modes; and

means for automatically continuing said analyzing said input signal independently from any user input utilizing a second of said plurality of triggering modes and a second plurality of trigger parameters associated with said second of said plurality of triggering modes.

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